

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James J. Cali et al.

Title: LUMINESCENCE-BASED METHODS AND PROBES FOR CYTOCHROME P450 ACTIVITY

Docket No.: 341.044US1

Filed: September 19, 2003

Examiner: Unknown



Serial No.: 10/665,314

Due Date: N/A

Group Art Unit: Unknown

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

Return postcard.
 Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (3 pgs.), and copies of 34 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 13th day of June, 2007.

James Kanyusik
Name



Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)



S/N 10/665,314

PATENT

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Applicant: James J. Cali et al. Examiner: Unknown
Serial No.: 10/665,314 Group Art Unit: Unknown
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Pursuant to 37 C.F.R. 1.98(a)(2), Applicants believe that copies of cited U.S. Patents and Published Applications, and Non-Published Applications identifiable by USPTO Serial Number, are no longer required to be provided to the Office. Notification of this change to this effect was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004 and October 19, 2004. Thus, Applicants have not included copies of the U.S. Patent and U.S. Patent Applications cited with this submission. Should the Office require copies to be provided, Applicants respectfully request that notice of such requirement be directed to Applicants' below-signed representative. Applicants acknowledge the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

JAMES J. CALI ET AL.

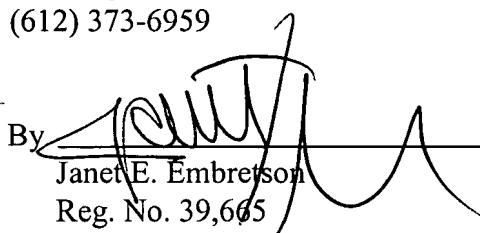
By their Representatives,

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Date

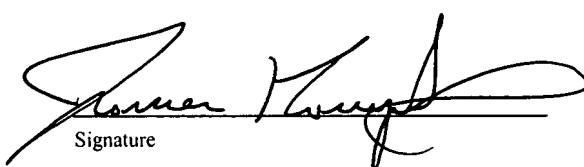
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Name


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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known 	
		Application Number	10/665,314
		Filing Date	September 19, 2003
		First Named Inventor	Cali, James
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet 1 of 3		Attorney Docket No: 341.044US1	

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2004/0146959A1	07/29/2004	Graham, R. J., et al.	09/09/2003
	US-2004/0171099A1	09/02/2004	Cali, J. J., et al.	09/19/2003
	US-2005/0026171A1	02/03/2005	Hawkins, E., et al.	12/23/2003
	US-2005/0153306A1	07/14/2005	Harris, J. L.	07/14/2004
	US-2007/0015790A1	01/18/2007	Cali, J. J., et al.	05/31/2006
	US-4,826,989	05/02/1989	Batz, H.-G., et al.	09/10/1987

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	JP-2002080476 (w/ English Abstract)	03/19/2002	Nobuhiro, H.	
	WO-2004/027378A3	04/01/2004	Cali, J. J., et al.	
	WO-2006/130551A2	12/07/2006	Daily, W., et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"5' Labelling - Fluorescein and Cyanine Dyes, Biotin", <u>Glen Report, Vol. 8, No. 2, http://www.glenres.com/GlenReports/GR8-2.pdf</u> , (published online by Glen Research, Sterling, VA), (December, 1995), 8 pgs.	
		"Beilstein Registry No. 1007132", <u>Database Crossfire Beilstein</u> , (White, E. H., et al., J. Org. Chem., Vol. 31 (1966), 1484-1488, 2 pgs.	
		"Beilstein Registry No. 1034055", <u>Database Crossfire Beilstein</u> , (McCapra, F., et al., Chem. Commun. (1968), 22-23, 1 pg.	
		"Beilstein Registry No. 1041968", <u>Database Crossfire Beilstein</u> , (White, et al., Bioorg. Chem., Vol. 1 (1971), 92-116), 2 pgs.	
		"Beilstein Registry No. 1119094", <u>Database Crossfire Beilstein</u> , (Benkoe, et al., Monatsh. Chem., Vol. 106 (1975), 1027-1032), 3 pgs.	
		"Beilstein Registry No. 1119095", <u>Database Crossfire Beilstein</u> , (Benkoe, A., et al., Monatsh. Chem., Vol. 106 (1975), 1027-1032), 2 pgs.	
		"Beilstein Registry No. 1126922", <u>Database Crossfire Beilstein</u> , (Benkoe, et al., Monatsh. Chem., Vol. 106, (1975), 1027-1032, 3 pgs.	
		"Beilstein Registry No. 1129927", <u>Database Crossfire Beilstein</u> , (Benkoe, et al., Monatsh. Chem., Vol. 106 (1975), 1027-1032, 2 pgs.	
		"Beilstein Registry No. 30484", <u>Database Crossfire Beilstein</u> , (White, et al., J. Am. Chem. Soc., Vol. 85 (1963), 337-343, 12 pgs.	
		"Beilstein Registry No. 3984932", <u>Database Crossfire Beilstein</u> , (White, et al., J. Org. Chem., Vol. 30 (1965), 2344-2348, 2 pgs.	

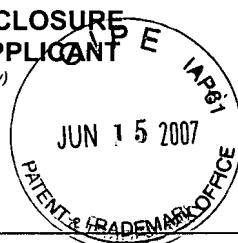
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Substitute for form 1449A/PTO

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Sheet 2 of 3

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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

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		"Beilstein Registry No. 4240164", <u>Database Crossfire Beilstein</u> , (Arness, R., et al., <u>Carbohydr. Res.</u> , Vol. 1, No. 1 (1990), 225-233, 2 pgs.	
		"Beilstein Registry No. 926292", <u>Database Crossfire Beilstein</u> , (White, et al., <u>J. Org. Chem.</u> , Vol. 30 (1965), 2344-2348, 2 pgs.	
		"Chemistry 2131: Organic Chemistry for the Life Sciences (3)", http://www.mta.ca/~acockshu/c2131elimination.html , (Mount Allison University), (observed December 17, 2004), 3 pgs.	
		BEN-SHLOMO, Y., et al., "Using Monoamine Oxidase Type B Inhibitors in Parkinson's Disease", <u>BMJ</u> , Vol. 329, (September 11, 2004), 581-582	
		BINDA, C., et al., "Structure-Function Relationships in Flavoenzyme-Dependent Amine Oxidations - A Comparison of Polyamine Oxidase and Monoamine Oxidase", <u>The Journal of Biological Chemistry</u> , 277(27), (2002), 23973-23976	
		BRANCHINI, B. R., "Naphyl- and Quinolyluciferin: Green and Red Light Emitting Firefly Luciferin Analogues", <u>Photochemistry and Photobiology</u> , 49(5), (1989), 689-695	
		CHEN, K., et al., "R1, a Novel Repressor of the Human Monoamine Oxidase A", <u>The Journal of Biological Chemistry</u> , 280(12), (2005), 11552-11559	
		DEMIR, B., et al., "Platelet Monoamine Oxidase Activity in Alcoholism Subtypes: Relationship to Personality Traits and Executive Functions", <u>Alcohol & Alcoholism</u> , 37(6), (2002), 597-602	
		GUTIÉRREZ, M. C., et al., "The First Fluorogenic Assay for Detecting a Baeyer-Villigerase Activity in Microbial Cells", <u>Org. Biomol. Chem.</u> , 1, (2003), 3500-3506	
		HOLT, A., "Imidazoline Binding Sites on Receptors and Enzymes: Emerging Targets for Novel Antidepressant Drugs?", <u>J. Psychiatry Neuorosci.</u> , 28(6), (2003), 409-414	
		HYNSON, R. M. G., et al., "Conformational Changes in Monoamine Oxidase A in Response to Ligand Binding or Reduction", <u>Biochimica et Biophysica Acta</u> , 1672, (2004), 60-66	
		KATZ, I. R., et al., "Monoamine Oxidase, an Intracellular Probe of Oxygen Pressure in Isolated Cardiac Myocytes", <u>The Journal of Biological Chemistry</u> , 259(12), (1984), 7504-7509	
		KIM, J. J., et al., "Selective Enhancement of Emotional, But Not Motor, Learning in Monoamine Oxidase A-Deficient Mice", <u>Proc. Natl. Acad. Sci. USA</u> , 94, (May, 1997), 5929-5933	
		MASUDA-NISHIMURA, I., et al., "Development of a Rapid Positive/Absent Test for Coliforms Using Sensitive Bioluminescence Assay", <u>Letters in Applied Microbiology</u> , 30, (2000), 130-135	
		MONSEES, T., et al., "A Novel Bioluminogenic Assay for α -Chymotrypsin", <u>Journal of Bioluminescence and Chemiluminescence</u> , 10(4), (July 1995), 213-218	
		MONSEES, T., et al., "Synthesis and Characterization of a Bioluminogenic Substrate for α -Chymotrypsin", <u>Analytical Biochemistry</u> , 221(2), (1994), 329-334	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>	
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		RENWICK, A. B., et al., "Evaluation of 7-benzyloxy-4-trifluoromethyl-coumarin, Some Other 7-hydroxy-4-trifluoro-methylcoumarin Derivatives and 7-benzyloxyquinoline as Fluorescent Substrates for Rat Hepatic Cytochrome P450 Enzymes", <u>Xenobiotica</u> , 31(12), (2001), 861-878	
		YOUNDIN, M. B., et al., "Novel Substrates and Products of Amine Oxidase-Catalysed Reactions", <u>Biochemical Society Transactions</u> , Vol. 19, (1990), 224-228	
		ZHOU, M., et al., "A One-Step Fluorometric Method for the Continuous Measurement of Monoamine Oxidase Activity", <u>Analytical Biochemistry</u> , 253, (1997), 169-174	
		ZHOU, M., et al., "A Stable Nonfluorescent Derivative of Resorufin for the Fluorometric Determination of Trace Hydrogen Peroxide: Applications in Detecting the Activity of Phagocyte NADPH Oxidase and Other Oxidases", <u>Analytical Biochemistry</u> , 253, (1997), 162-168	
		ZHOU, G., et al., "Platelet Monoamine Oxidase B and Plasma β -Phenylethylamine in Parkinson's Disease", <u>J. Neurol. Neuurosurg. Psychiatry</u> , 70, (2001), 229-231	

EXAMINER

DATE CONSIDERED